

MICHIGAN
DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION
FOR
REVISIONS TO PLAIN AND HEAVY RIPRAP SPECIFICATIONS

HYD:EJC

1 of 1

APPR:DMG:RWS:10-10-24
FHWA:APPR:11-21-24

Delete subsections 916.01.C.1 and 916.01.C.2, on page 9-128 of the Standard Specifications for Construction in their entirety and replace with the following:

1. **Plain Riprap.** Provide natural stone and broken concrete with intermediate (axis B) dimension of 8 to 16 inches as shown in Figure 1. Provide an in-place thickness of at least 16 inches. Use smaller pieces to fill spaces and maximize surface contact between individual stones, as directed by the Engineer.

Provide precast concrete block at least 6 inches thick with a surface area no greater than 15 square feet.

2. **Heavy Riprap.** Provide natural stone and broken concrete with a minimum intermediate (axis B) dimension of at least 16 inches as shown in Figure 1 below. The ratio of the greatest (axis A) to least (axis C) dimension must not exceed 3:1 for any individual stone for at least 80% of the material, as shown in Figure 1 below.

Provide precast concrete block at least 16 inches thick with a surface area no greater than 20 square feet.

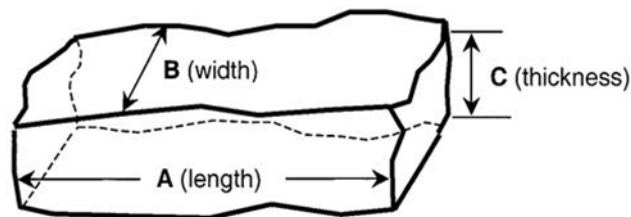


Figure 1: Riprap shape depicting A, B and C axis.